

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

COMMUNICATIONS TECHNICIAN

DEFINITION:

Under general supervision, to construct, install, adjust, modify, repair, and operate communications transmitters and receivers and other electronic equipment; and to perform related work.

*** EXAMPLES OF DUTIES:**

- Assembles, installs, maintains, adjusts, and evaluates fixed, mobile, and portable VHF-FM and UHF-FM radio communication transmitters and receivers;
- Tests circuits, components, and elements;
- Diagnoses and repairs defective components and subassemblies using such test equipment as combination meters, frequency/ deviation monitors and counters, oscilloscopes, signal generators and RF watt-meters;
- Installs, tests, and repairs sound reinforcement systems, intercom systems, CCTV and MATV systems, audio tape recorders, base station remote control equipment, automatic receiver selectors, radar speedmeters, radio teleprinters, and pagers, metal locators, specialized devices involving micro-processor and logic technologies, and other electronic devices including microwave communication systems and components;
- Makes field trips to locate and clear radio interference;
- Requisitions materials;
- Makes and records measurements required by FCC rules and regulations;
- Estimates costs;
- Leads apprentices and helpers;
- Maintains records and prepares reports;
- Reports on radio field strength surveys, sound level measurements, and interference studies;
- Constructs and modifies electronic devices and equipment;
- Reports on inspections of commercial CATV systems;
- Prepares preliminary drafts of schematic and interconnection diagrams.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Four years journey-level experience in Communications Electronics, which must include two years of troubleshooting and repair experience at the component level; **OR** an Associate of Science Degree in Electronics Technology, **AND** two years of journey-level experience troubleshooting and repairing Communications Electronics at the component level; **OR** successful completion of a four-year State-accredited Communications Technician Apprenticeship Program; **AND** two years of journey-level Communications Electronics troubleshooting and repair experience at the component level; **OR** a combination of the above training and experience totaling four years which must include two years of journey-level Communications Electronics troubleshooting and repair experience at the component level. A valid FCC Radio Telephone Operator's License and a valid California Class C Driver's License.

- * **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.